

Day : Monday
Date: 1/23/2006


PALM INTRANET

Time: 01:07:08

Inventor Name Search Result

Your Search was:

Last Name = SILVERBROOK

First Name = KIA

Application#	Patent#	Status	Date Filed	Title	Inventor Name
07714217	Not Issued	161	06/12/1991	ELECTRONIC PAINTING SYSTEM	SILVERBROOK, KIA
07714519	Not Issued	161	06/13/1991	DRAWING TECHNIQUE FOR COMPUTER GRAPHICS SYSTEM	SILVERBROOK, KIA
07715448	Not Issued	161	06/14/1991	METHOD AND APPARATUS FOR GENERATING TIMING SIGNALS	SILVERBROOK, KIA
07716908	Not Issued	161	06/18/1991	VIDEO FRAMESTORE ACCESS	SILVERBROOK, KIA
07717422	Not Issued	161	06/18/1991	METHOD AND APPARATUS FOR GENERATING GRAPHICS	SILVERBROOK, KIA
07719319	Not Issued	161	06/21/1991	ENCODING AND GENERATION OF GRAPHICS IMAGES	SILVERBROOK, KIA
07725621	5459823	150	07/03/1991	GRAPHICS ENGINE FOR TRUE COLOUR 2D GRAPHICS	SILVERBROOK, KIA
07725636	Not Issued	166	07/03/1991	HIGH VOLUME COLOUR LASER PRINTING SYSTEM	SILVERBROOK, KIA
07725828	Not Issued	169	07/03/1991	MULTI-PATH DIGITAL VIDEO ARCHITECTURE	SILVERBROOK, KIA
07726051	Not Issued	161	07/05/1991	MULTI-PATH DIGITAL VIDEO ARCHITECTURE	SILVERBROOK, KIA
07744522	6020894	150	08/13/1991	FULL-COLOR DESKTOP PUBLISHING SYSTEM	SILVERBROOK, KIA
07744540	5801716	150	08/13/1991	PIPELINE STRUCTURES FOR FULL-COLOR COMPUTER GRAPHICS	SILVERBROOK, KIA
07744703	5329616	150	08/13/1991	COMPRESSED IMAGE STORES FOR HIGH RESOLUTION COMPUTER GRAPHICS	SILVERBROOK, KIA
07827981	Not Issued	166	01/29/1992	BUBBLEJET IMAGE REPRODUCING APPARATUS	SILVERBROOK, KIA
07827985	Not Issued	166	01/29/1992	NOZZLE STRUCTURES FOR BUBBLEJET PRINT DEVICES	SILVERBROOK, KIA

<u>07827986</u>	Not Issued	166	01/29/1992	INTEGRALLY FORMED BUBBLEJET PRINT DEVICE	SILVERBROOK, KIA
<u>07889194</u>	Not Issued	166	05/28/1992	COMPRESSION ENHANCEMENT IN GRAPHICS SYSTEMS	SILVERBROOK, KIA
<u>08031918</u>	Not Issued	166	03/16/1993	BUBBLEJET IMAGE REPRODUCING APPARATUS	SILVERBROOK, KIA
<u>08031919</u>	Not Issued	166	03/16/1993	NOZZLE STRUCTURES FOR BUBBLEJET PRINT DEVICE	SILVERBROOK, KIA
<u>08053194</u>	5430496	150	04/28/1993	A PORTABLE VIDEO ANIMATION DEVICE FOR CREATING A REAL-TIME ANIMATED VIDEO BY COMBINING A REAL-TIME VIDEO SIGNAL WITH ANIMATION IMAGE DATA	SILVERBROOK, KIA
<u>08053212</u>	5420966	150	04/28/1993	METHOD AND APPARATUS FOR FILLING AN OBJECT BASED RASTERIZED IMAGE	SILVERBROOK, KIA
<u>08053214</u>	5428724	150	04/28/1993	METHOD AND APPARATUS FOR PROVIDING TRANSPARENCY IN AN OBJECT BASED RASTERIZED IMAGE	SILVERBROOK, KIA
<u>08053216</u>	5606652	150	04/28/1993	REAL-TIME PROCESSING SYSTEM FOR ANIMAATION IMAGES TO BE DISPLAYED ON HIGH DEFINITION TELEVISION SYSTEMS	SILVERBROOK, KIA
<u>08053218</u>	5627952	150	04/28/1993	INFORMATION DISPLAYING SYSTEM WHICH DISPLAYS COMBINED VIDEO AND GRAPHICS IMAGES	SILVERBROOK, KIA
<u>08053219</u>	6124863	150	04/28/1993	OBJECT-BASED GRAPHICS SYSTEM FOR DISPLAYING AN IMAGE USING EXPLICIT QUADRATIC POLYNOMIAL FRAGMENTS	SILVERBROOK, KIA
<u>08053231</u>	Not Issued	166	04/28/1993	COLOUR GENERATION AND MIXING DEVICE	SILVERBROOK, KIA
<u>08053362</u>	5861961	150	04/28/1993	INTEGRATED GRAPHICS SYSTEM FOR A COLOR COPIER	SILVERBROOK, KIA
<u>08053363</u>	5566290	150	04/28/1993	MULTI-MEDIA DEVICE	SILVERBROOK, KIA
<u>08053364</u>	6134021	150	04/28/1993	PRESENTATION GRAPHICS SYSTEM FOR A COLOR LASER COPIER	SILVERBROOK, KIA
<u>08053373</u>	5444839	150	04/28/1993	OBJECT BASED GRAPHICS	SILVERBROOK,

				SYSTEM FOR RASTERIZING IMAGES IN REAL-TIME	KIA
<u>08053378</u>	<u>5483627</u>	150	04/28/1993	A PREPROCESSING PIPELINE FOR REAL-TIME OBJECT BASED GRAPHICS SYSTEMS	SILVERBROOK, KIA
<u>08053410</u>	Not Issued	166	04/28/1993	VIDEO CAMERA/RECORDER/ANIMATOR DEVICE	SILVERBROOK, KIA
<u>08053569</u>	<u>5590252</u>	150	04/28/1993	VIDEO PROCESSOR SYSTEM AND AUDIO PROCESSOR SYSTEM	SILVERBROOK, KIA
<u>08115128</u>	<u>5815173</u>	150	09/01/1993	NOZZLE STRUCTURES FOR BUBBLEJET PRINT DEVICES	SILVERBROOK, KIA
<u>08177305</u>	Not Issued	166	01/04/1994	COLOUR GAMUT CLIPPING	SILVERBROOK, KIA
<u>08177605</u>	Not Issued	166	01/04/1994	COLOUR DISPLAY SYSTEM	SILVERBROOK, KIA
<u>08204070</u>	Not Issued	166	03/02/1994	NEAR WHITE COLOUR CORRECTION	SILVERBROOK, KIA
<u>08233727</u>	<u>5428464</u>	150	04/26/1994	HIGH VOLUME COLOR IMAGE PRINTER SYSTEM	SILVERBROOK, KIA
<u>08306537</u>	<u>5841452</u>	150	09/15/1994	METHOD OF FABRICATING BUBBLEJET PRINT DEVICES USING SEMICONDUCTOR FABRICATION TECHNIQUES	SILVERBROOK, KIA
<u>08352436</u>	<u>5479205</u>	150	12/09/1994	VIDEO CAMERA/RECORDER/ANIMATOR DEVICE	SILVERBROOK, KIA
<u>08353999</u>	<u>6019457</u>	150	12/06/1994	INK JET PRINT DEVICE AND PRINT HEAD OR PRINT APPARATUS USING THE SAME	SILVERBROOK, KIA
<u>08396907</u>	<u>5900862</u>	150	03/01/1995	COLOR GENERATION AND MIXING DEVICE	SILVERBROOK, KIA
<u>08402493</u>	Not Issued	166	03/13/1995	INTERMINGLING SUBPIXELS IN DISCRETE LEVEL DISPLAYS	SILVERBROOK, KIA
<u>08402496</u>	<u>5793345</u>	150	03/13/1995	DYNAMIC REFINEMENT OF PIXELS FOR A DISPLAY	SILVERBROOK, KIA
<u>08402497</u>	<u>6002385</u>	150	03/13/1995	COMPUTER DISPLAY SYSTEM CONTROLLER	SILVERBROOK, KIA
<u>08402505</u>	<u>6008868</u>	250	03/13/1995	LUMINANCE WEIGHTED DISCRETE LEVEL DISPLAY	SILVERBROOK, KIA
<u>08402507</u>	<u>5751272</u>	150	03/13/1995	DISPLAY PIXEL BALANCING FOR A MULTI COLOUR DISCRETE LEVEL DISPLAY	SILVERBROOK, KIA

08451909	5845010	150	05/26/1995	COMPRESSION ENHANCEMENT IN GRAPHICS SYSTEM	SILVERBROOK, KIA
08469679	5677644	150	06/06/1995	RAMP GENERATING STRUCTURE FOR PRODUCING COLOR GRAPHICS	SILVERBROOK, KIA
08570742	5764862	150	12/12/1995	NEAR WHITE COLOR CORRECTION	SILVERBROOK, KIA

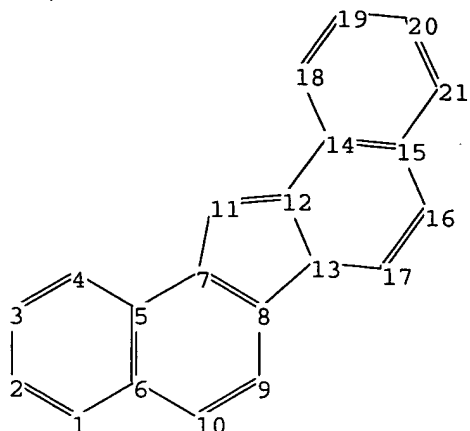
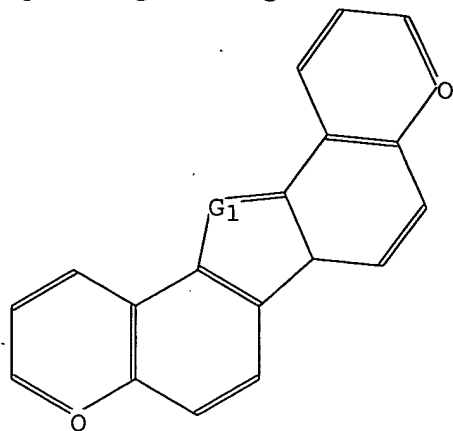
[Search and Display More Records.](#)

Search Another: Inventor	Last Name	First Name	<input type="button" value="Search"/>
	<input type="text" value="silverbrook"/>	<input type="text" value="kia"/>	

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Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

Uploading C:\Program Files\Stnexp\Queries\09928108.str



ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13
12-14 13-17 14-15 14-18 15-16 15-21 16-17 18-19 19-20 20-21

exact/norm bonds :

7-11 8-13 11-12 12-13 12-14 13-17 15-16 16-17

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 14-15 14-18 15-21 18-19
19-20 20-21

G1:C,O,S

Match level :

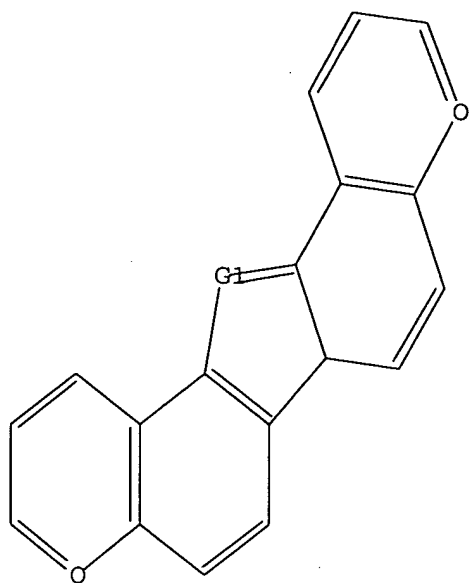
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11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 C,O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

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FULL SCREEN SEARCH COMPLETED - 21371 TO ITERATE

100.0% PROCESSED 21371 ITERATIONS

0 ANSWERS

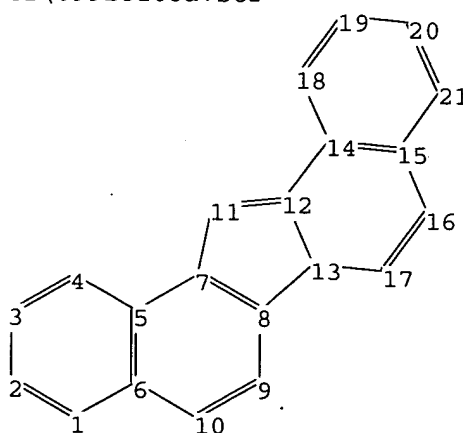
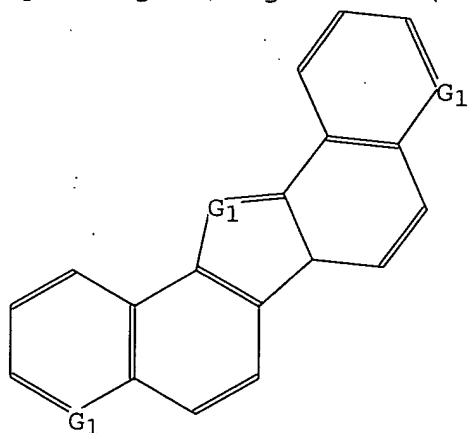
SEARCH TIME: 00.00.01

L2

0 SEA SSS FUL L1

=>

Uploading C:\Program Files\Stnexp\Queries\09928108a.str



ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13
12-14 13-17 14-15 14-18 15-16 15-21 16-17 18-19 19-20 20-21

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 7-11 8-13 11-12 12-13 12-14 13-17 14-15 14-18 15-16
15-21 16-17 18-19 19-20 20-21
normalized bonds :
5-6 5-7 6-10 7-8 8-9 9-10

G1:C,O,S,CHO

Match level :

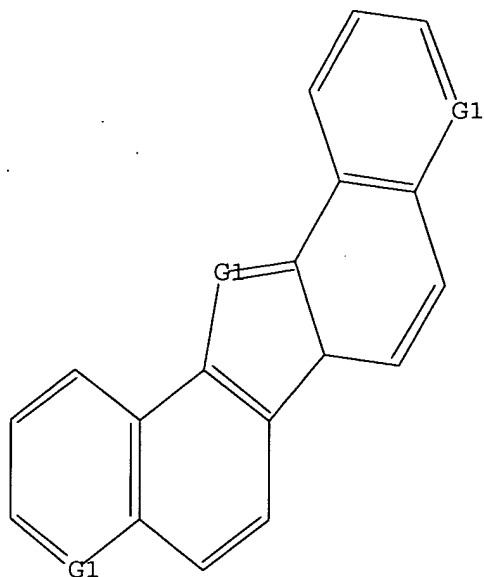
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11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom

L3 STRUCTURE UPLOADED

=> d

L3 HAS NO ANSWERS

L3 STR



G1 C,O,S,CHO

Structure attributes must be viewed using STN Express query preparation.

=> s l3 full

FULL SEARCH INITIATED 21:42:34 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 772410 TO ITERATE

94.8% PROCESSED 731863 ITERATIONS

3724 ANSWERS

100.0% PROCESSED 772410 ITERATIONS

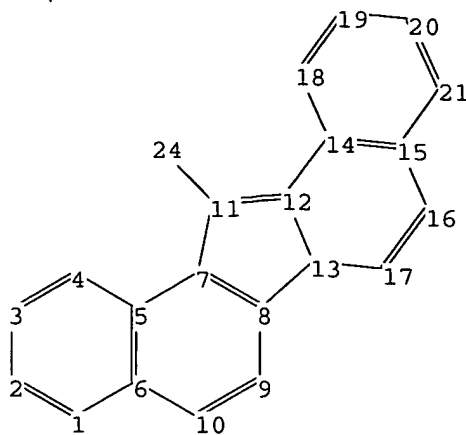
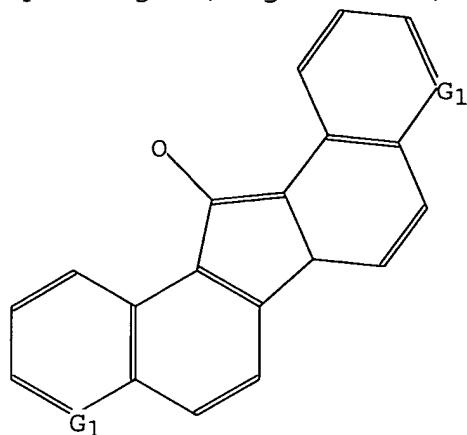
3846 ANSWERS

SEARCH TIME: 00.00.23

L4 3846 SEA SSS FUL L3

=>

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chain nodes :

24

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

chain bonds :

11-24

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13
12-14 13-17 14-15 14-18 15-16 15-21 16-17 18-19 19-20 20-21

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 7-11 8-13 11-12 11-24 12-13 12-14 13-17 14-15 14-18
15-16 15-21 16-17 18-19 19-20 20-21

normalized bonds :

5-6 5-7 6-10 7-8 8-9 9-10

G1:C,O,S,CHO

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom

20:Atom 21:Atom

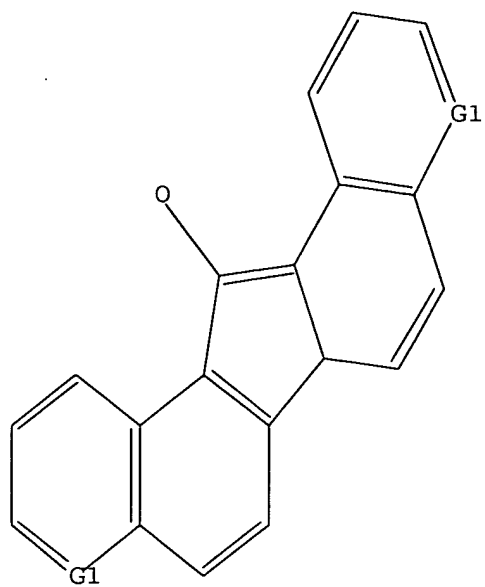
24:CLASS

L5 STRUCTURE UPLOADED

=> d

L5 HAS NO ANSWERS

L5 STR



G1 C,O,S,CHO

Structure attributes must be viewed using STN Express query preparation.

=> s l5 full

FULL SEARCH INITIATED 21:43:59 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 373547 TO ITERATE

100.0% PROCESSED 373547 ITERATIONS

SEARCH TIME: 00.00.02

0 ANSWERS

L6

0 SEA SSS FUL L5

=> s 17 and dye
250845 DYE
208824 DYES
329127 DYE

(DYE OR DYES)

L8 7 L7 AND DYE

=> d 18 1-7

L8 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:372119 CAPLUS
DN 141:108769
TI A fullerene-based dyad for organic photovoltaic cells
AU Possamai, G.; Maggini, M.; Menna, E.; Scorrano, G.; Franco, L.; Ruzzi, M.;
Corvaja, C.; Ridolfi, G.; Samori, P.; Geri, A.; Camaioni, N.
CS Istituto ITM-CNR Sezione di Padova, Dipartimento di Chimica Organica,
Universita di Padova, Padua, 35131, Italy
SO Applied Physics A: Materials Science & Processing (2004), 79(1), 51-58
CODEN: APAMFC; ISSN: 0947-8396
PB Springer-Verlag
DT Journal
LA English
RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:331637 CAPLUS
DN 140:365374
TI Organic light-emitting diode devices with improved operational stability
IN Jarikov, Viktor V.
PA Eastman Kodak Company, USA
SO U.S. Pat. Appl. Publ., 108 pp., Cont.-in-part of U.S. Ser. No. 131,801,
abandoned.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004076853	A1	20040422	US 2003-634324	20030805
	JP 2003347058	A2	20031205	JP 2003-118497	20030423
	CN 1453886	A	20031105	CN 2003-124026	20030424
PRAI	US 2002-131801	B2	20020424		
OS	MARPAT 140:365374				

L8 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:687745 CAPLUS
DN 136:11954
TI Ab initio quantum chemical design of supermolecule logical devices
AU Tamulis, Arvydas; Rinkevicius, Zilvinas; Tamuliene, Jelena; Tamulis,
Vykintas; Balevicius, Mindaugas L.; Graja, Andrzej
CS Institute of Theoretical Physics and Astronomy, Vilnius, 2600, Lithuania
SO Proceedings of SPIE-The International Society for Optical Engineering
(2001), 4290(Optoelectronic Integrated Circuits and Packaging V), 82-93
CODEN: PSISDG; ISSN: 0277-786X
PB SPIE-The International Society for Optical Engineering
DT Journal
LA English
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:402019 CAPLUS
 DN 135:152613
 TI Novel perylene chromophores obtained by a facile oxidative cyclodehydrogenation route
 AU Wehmeier, Mike; Wagner, Manfred; Mullen, Klaus
 CS Max-Planck-Institut fur Polymerforschung, Mainz, 55128, Germany
 SO Chemistry--A European Journal (2001), 7(10), 2197-2205
 CODEN: CEUJED; ISSN: 0947-6539
 PB Wiley-VCH Verlag GmbH
 DT Journal
 LA English
 OS CASREACT 135:152613
 RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2001:168012 CAPLUS
 DN 134:221448
 TI Antibodies specific for fullerenes
 IN Erlanger, Bernard F.; Chen, Bi-Xing
 PA The Trustees of Columbia University in the City of New York, USA
 SO PCT Int. Appl., 137 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001016155	A1	20010308	WO 2000-US23629	20000829
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6593137	B1	20030715	US 1999-386658	19990831
	CA 2383015	AA	20010308	CA 2000-2383015	20000829
	EP 1218396	A1	20020703	EP 2000-957880	20000829
	EP 1218396	B1	20040922		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	JP 2003508035	T2	20030304	JP 2001-519717	20000829
	AT 277083	E	20041015	AT 2000-957880	20000829
PRAI	US 1999-386658	A	19990831		
	WO 2000-US23629	W	20000829		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1990:443472 CAPLUS
 DN 113:43472
 TI The use of admixtures for increasing the evaporation and combustion rate and the combustion stability of liquid propellants and fuels injected into rocket combustion chambers and into high-power combustion installations
 IN Bschorr, Oskar; Flath, Alfred
 PA Germany
 SO Ger. Offen., 20 pp.
 CODEN: GWXXBX
 DT Patent
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3835489	A1	19900419	DE 1988-3835489	19881018
PRAI	DE 1988-3835489		19881018		

L8 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1990:101699 CAPLUS
 DN 112:101699
 TI Use of additive mixtures for increasing vaporization and combustion rates of rocket and high-performance fuels
 IN Bschorr, Oskar; Flath, Alfred
 PA Fed. Rep. Ger.
 SO Ger. Offen., 20 pp.
 CODEN: GWXXBX
 DT Patent
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3815605	A1	19881020	DE 1988-3815605	19880506
	DE 3815605	C2	19920430		
PRAI	DE 1988-3815605		19880506		
OS	MARPAT 112:101699				

=> d 18 1-7 ibib abs hitstr

L8 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:372119 CAPLUS
 DOCUMENT NUMBER: 141:108769
 TITLE: A fullerene-based dyad for organic photovoltaic cells
 AUTHOR(S): Possamai, G.; Maggini, M.; Menna, E.; Scorrano, G.; Franco, L.; Ruzzi, M.; Corvaja, C.; Ridolfi, G.; Samori, P.; Geri, A.; Camaioni, N.
 CORPORATE SOURCE: Istituto ITM-CNR Sezione di Padova, Dipartimento di Chimica Organica, Universita di Padova, Padua, 35131, Italy
 SOURCE: Applied Physics A: Materials Science & Processing (2004), 79(1), 51-58
 CODEN: APAMFC; ISSN: 0947-8396
 PUBLISHER: Springer-Verlag
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB The authors describe the synthesis and the photophys. properties of a fullerene-azothiophene dyad, as well as the photovoltaic performance of cells incorporating the dyad and the surface morphol. of the device active layer. The results were compared with those obtained on the blend, in equimolar ratio, between the azothiophene **dye** and a fulleropyrrolidine. This revealed a pivotal role played by the morphol. on both the photophys. behavior and the device performance. While scanning force microscopy studies for the dyad exhibited fairly smooth surfaces, in the case of the blend they displayed a micrometer-scale phase segregation between the two components. Probably in the latter case, the lack of photo-induced electron transfer evidenced by the photophys. study, and the relevant reduction of the cell performance (up to more than one order of magnitude with respect to the dyad), could be ascribed to the different morphol. Because of the strong optical absorption in the visible region, the dyad-based solar cells gave notable results if compared with those reported in the literature for other donor-acceptor linked systems. A power-conversion efficiency of 0.37% under 80-mW cm⁻² white-light illumination was achieved by tuning the thickness of the dyad film, though the fullerene-azothiophene is not yet optimized in terms of photo-induced

electron transfer.

IT 323575-18-4

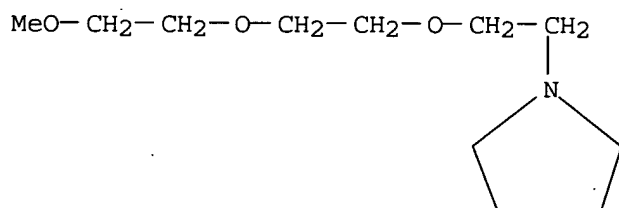
RL: PRP (Properties)

(compound 4; fullerene-based dyad for organic photovoltaic cells)

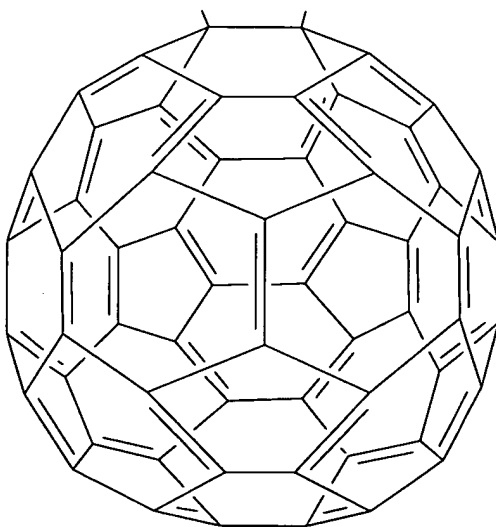
RN 323575-18-4 CAPLUS

CN 2'H-[5,6]Fullereno-C60-D2d-[1,2-c]pyrrole, 1',5'-dihydro-1'-[2-[2-(2-methoxyethoxy)ethoxy]ethyl]-, radical ion(1-) (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



REFERENCE COUNT:

46

THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:331637 CAPLUS
DOCUMENT NUMBER: 140:365374
TITLE: Organic light-emitting diode devices with improved operational stability
INVENTOR(S): Jarikov, Viktor V.
PATENT ASSIGNEE(S): Eastman Kodak Company, USA
SOURCE: U.S. Pat. Appl. Publ., 108 pp., Cont.-in-part of U.S. Ser. No. 131,801, abandoned.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004076853	A1	20040422	US 2003-634324	20030805
JP 2003347058	A2	20031205	JP 2003-118497	20030423
CN 1453886	A	20031105	CN 2003-124026	20030424
PRIORITY APPLN. INFO.:			US 2002-131801	B2 20020424

OTHER SOURCE(S): MARPAT 140:365374

AB Organic light-emitting devices which comprise a substrate; an anode and a cathode disposed over the substrate; a luminescent layer disposed between the anode and the cathode are described in which the luminescent layer includes a host and ≥ 1 dopant; the host including a solid organic material comprising a mixture of ≥ 2 components including a first component that is an organic compound capable of transporting either electrons and/or holes and of forming both monomer state and an aggregate state and a second component of that is an organic compound that upon mixing with the first host component is capable of forming a continuous and substantially pin-hole-free layer, while the dopant of is selected to produce light from the light-emitting device. The first component is capable of forming an aggregate state either in the ground electronic state or in an excited electronic state that results in a different absorption or emission spectrum or both relative to the absorption or emission spectrum or both of the monomer state, resp., or of forming an aggregate state whose presence results in a quantum yield of luminescence of the monomer state being different relative to the quantum yield of luminescence of the monomer state in the absence of the aggregate state. The aggregate state may be crystalline

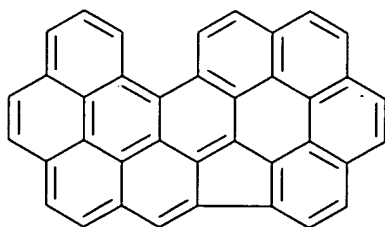
IT **76748-63-5**, Circumanthracene **76748-64-6**,
Diphenaleno[4,3,2,1,9-hijklm:4',3',2',1',9'-tuvwxa]rubicene
76759-99-4, Dibenzo[mn,qr]fluoreno[2,1,9,8,7-defghi]naphthacene
98570-54-8, Cyclopenta[1,2-a:3,4,5-b'c']dicoronene
106404-29-9, Naphth[2',1':4,5]indeno[1,2,3-cd]pyrene

RL: DEV (Device component use); USES (Uses)

(organic light-emitting diode devices using luminescent mixts.)

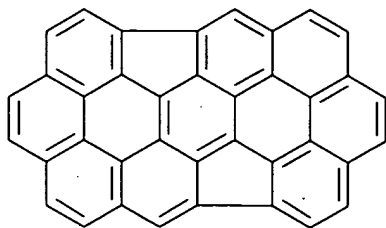
RN 76748-63-5 CAPLUS

CN Benzo[ghi]naphth[2',1',8',7':5,6,7]aceanthryleno[10,1,2-abcd]perylene
(9CI) (CA INDEX NAME)



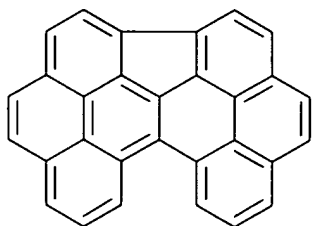
RN 76748-64-6 CAPLUS

CN Diphenaleno[4,3,2,1,9-hijklm:4',3',2',1',9'-tuvwxa]rubicene (9CI) (CA INDEX NAME)



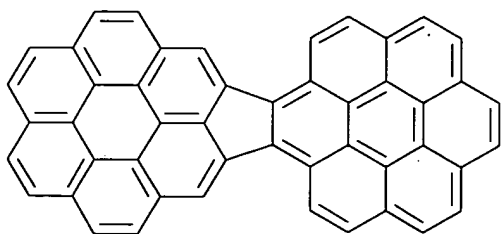
RN 76759-99-4 CAPLUS

CN Dibenzo[mn,qr]fluoreno[2,1,9,8,7-defghi]naphthacene (9CI) (CA INDEX NAME)



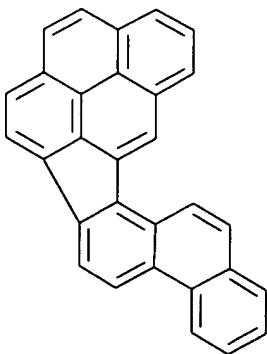
RN 98570-54-8 CAPLUS

CN Cyclopenta[1,2-a:3,4,5-b'c']dicoronene (9CI) (CA INDEX NAME)



RN 106404-29-9 CAPLUS

CN Naphth[2',1':4,5]indeno[1,2,3-cd]pyrene (9CI) (CA INDEX NAME)



L8 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:687745 CAPLUS

DOCUMENT NUMBER: 136:11954

TITLE: Ab initio quantum chemical design of supermolecule logical devices

AUTHOR(S): Tamulis, Arvydas; Rinkevicius, Zilvinas; Tamulienė, Jelena; Tamulis, Vykintas; Balevicius, Mindaugas L.; Graja, Andrzej

CORPORATE SOURCE: Institute of Theoretical Physics and Astronomy, Vilnius, 2600, Lithuania

SOURCE: Proceedings of SPIE-The International Society for Optical Engineering (2001), 4290 (Optoelectronic Integrated Circuits and Packaging V), 82-93
CODEN: PSISDG; ISSN: 0277-786X

PUBLISHER: SPIE-The International Society for Optical Engineering

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The geometrical structure of both the ground and excited state of the azo-**dyes**: Disperse Orange 3 (DO3) and CH₂-C₄H₄-N=N-C₄H₄-CH₂ mols. have been studied applying the Hartree Fock (HF), d. functional theory (DFT) methods with the Berny geometry optimization and Ames Laboratory determinant (ALDET) single- double-triple-quadruple CI (SDTQ-CI) method. The studies proved that the above-mentioned mols. can not rotate around the -N=N- bond. Thus, the alternative mechanism of the isomerization of the DO3 mol per linear transition state was suggested and studied. The obtained 1- and many- electron energy diagrams have been drawn. According to these diagrams the above mentioned isomerization way is possible. The mechanism of the isomerization of the azo-**dyes** mol. per linear transition state is suggested and studied. The results of light induced internal mol. motions in azo-**dyes** mols. have been used for the design of light driven logically controlled mol. machines composed from photoactive organic mols. such as carbazole, 1,4- phenylenediamine (PhDA) and 4,5-dinitro- 9(dicyanomethylidene)-fluorene (DN9(CN)2F), Dithieno[3,2-b:2',3'-d]thiophene and Ferrocene (C₁₀H₁₀Fe) mols. joined with -CH=CH- or -N=N- bridges. Ab initio DFT B3PW91 model using 6-311G and Watanabe (WBTS) basis sets calcns. show the stability of Sc₃N and ErSc₂ mols. which exist inside endohedral fullerene C₈₀ derivs.: Sc₃NC₈₀. Anal. of electronic structure of inside clusters allowed proposing that these endohedral fullerenes might be used for electro- optical and magneto-optical switches and for information storage. The authors performed design of mol. logical devices based on organic electron donor and electron acceptor mols., fullerene C₆₀ substituted derivative CH₂C₆₀, electron donor-bridge-electron acceptor dyads and triads. Design of new series mol. implementations (MI) of 2 variable logic functions: AND (NAND), OR (NOR) is based on geometry optimization procedure. Mol. triggers and mol. dynamic memory were designed based on studies of photoexcitation movements and charge transfer of aza-fullerene supermol. (NH₂)CH-NC₅₉-NC₅₉-CH(NO₂). The ab initio DFT B3PW91/LanL3DZ calcn. of HOMO-LUMO gap in CdS nanocluster without 4 Ph fragments gives value equal to 3.85 eV and the same method calcn. of CdS nanocluster with 4 Ph fragments gives HOMO-LUMO gap value equal to 3.66 eV.

IT 242476-93-3

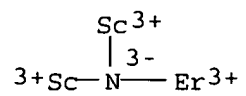
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(ab initio quantum chemical design of supermol. logical devices)

RN 242476-93-3 CAPLUS

CN Erbium(6+), μ₃-nitridobis(scandium)-, [5,6]fulleride(6-)-C₈₀-Ih (1:1) (9CI) (CA INDEX NAME)

CRN 242476-92-2
CMF Er N Sc2
CCI CCS

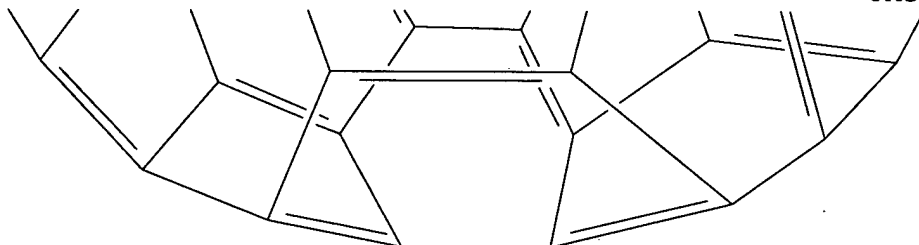
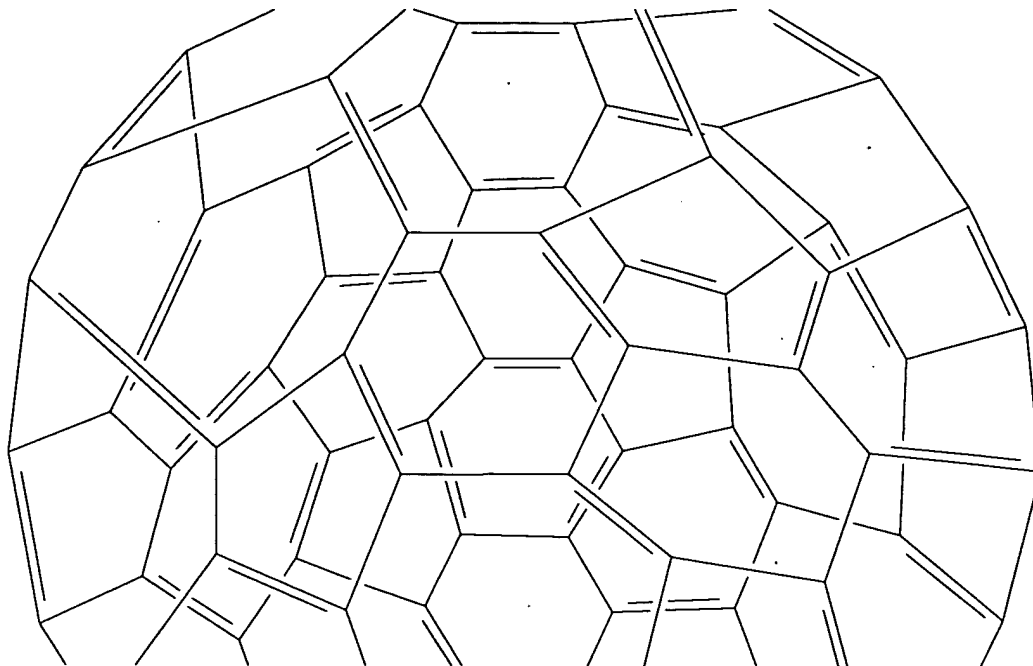


CM 2

CRN 156618-16-5
CMF C80

PAGE 1-A





REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2001:402019 CAPLUS
 DOCUMENT NUMBER: 135:152613
 TITLE: Novel perylene chromophores obtained by a facile oxidative cyclodehydrogenation route
 AUTHOR(S): Wehmeier, Mike; Wagner, Manfred; Mullen, Klaus
 CORPORATE SOURCE: Max-Planck-Institut fur Polymerforschung, Mainz, 55128, Germany
 SOURCE: Chemistry--A European Journal (2001), 7(10), 2197-2205
 CODEN: CEUJED; ISSN: 0947-6539
 PUBLISHER: Wiley-VCH Verlag GmbH
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 135:152613
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Perylene chromophores, phenyl-substituted diindeno[1,2,3-cd:1',2',3'-lm]perylene, e.g. I [R = Me(CH₂)₁₁], and 4,4',7,7'-tetraphenyldiacenaphtho[1,2-k:1',2',k']diindeno[1,2,3-cd:1',2',3'-me]perylene II [R = H, Me(CH₂)₁₁], were synthesized from substituted fluoranthenes III and IV by means of a surprisingly simple oxidative cyclodehydrogenation reaction. The resulting chromophores, when substituted with peripheral alkyl chains, showed good solubility in organic solvents. Full characterization of the novel red, green, and blue **dyes** by field-desorption mass spectrometry, UV/Vis and ¹H and ¹³C NMR spectroscopy was performed.

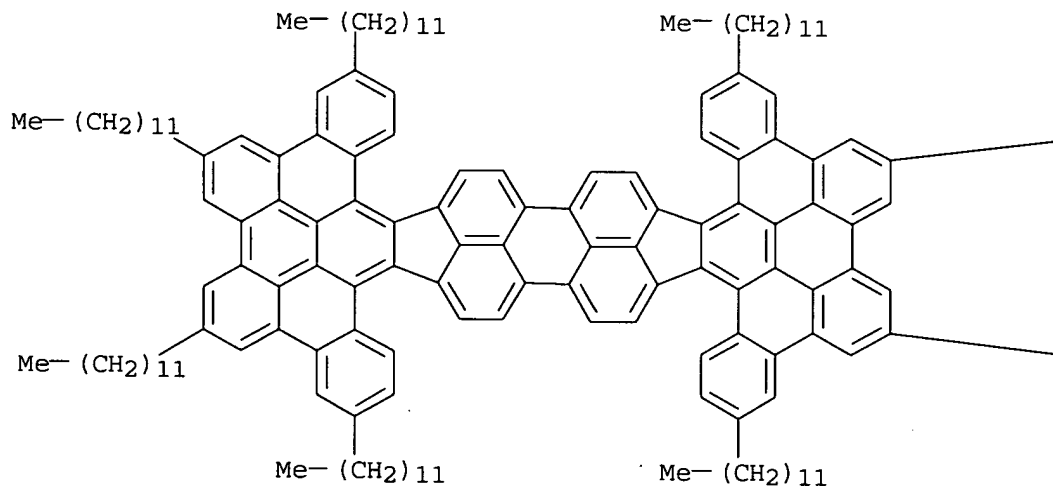
IT 352532-71-9P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation of perylene chromophores via facile oxidative cyclodehydrogenation of fluoranthenes)

RN 352532-71-9 CAPLUS

CN Tetrabenzo[fg,f'g',ij,i'j']benzo[1'',2'',3'':3,4;4'',5'',6'':3',4']difluorantheno[7,8,9,10-rst:7',8',9',10'-r's't']dipentaphene, 2,5,8,17,20,23,26,35-octadodecyl- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

— (CH₂)₁₁—Me

— (CH₂)₁₁—Me

REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:168012 CAPLUS
DOCUMENT NUMBER: 134:221448
TITLE: Antibodies specific for fullerenes
INVENTOR(S): Erlanger, Bernard F.; Chen, Bi-Xing
PATENT ASSIGNEE(S): The Trustees of Columbia University in the City of New York, USA
SOURCE: PCT Int. Appl., 137 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001016155	A1	20010308	WO 2000-US23629	20000829
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6593137	B1	20030715	US 1999-386658	19990831
CA 2383015	AA	20010308	CA 2000-2383015	20000829
EP 1218396	A1	20020703	EP 2000-957880	20000829
EP 1218396	B1	20040922		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
JP 2003508035	T2	20030304	JP 2001-519717	20000829
AT 277083	E	20041015	AT 2000-957880	20000829
PRIORITY APPLN. INFO.:			US 1999-386658	A 19990831
			WO 2000-US23629	W 20000829

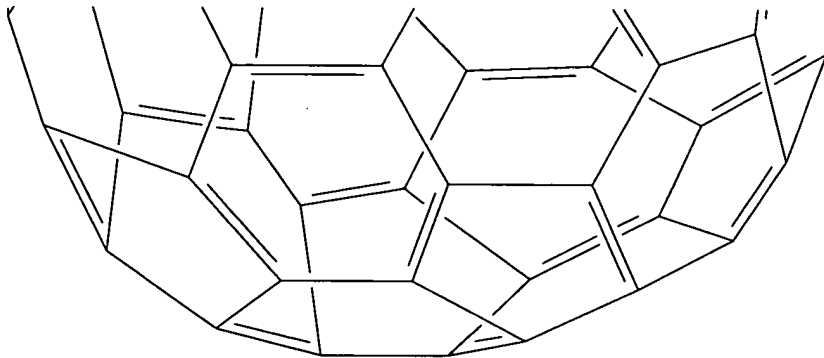
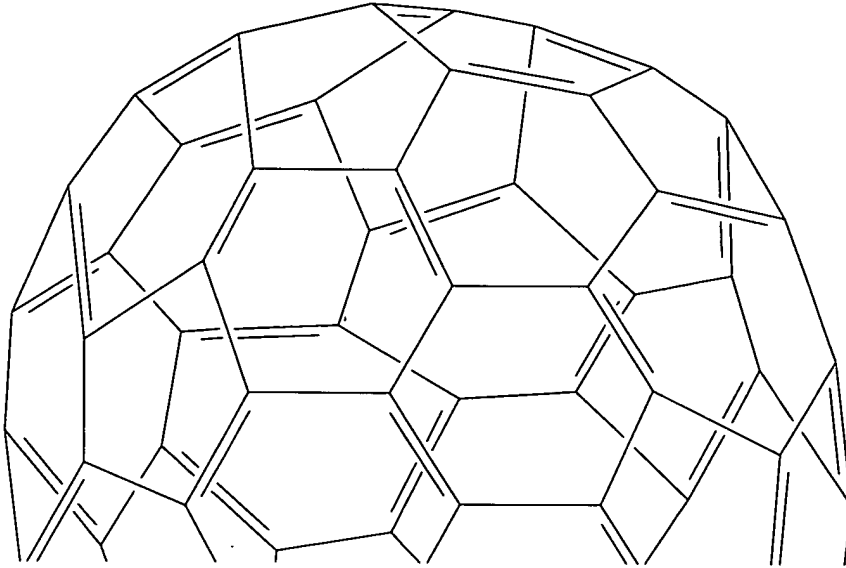
AB This invention provides antibodies specific for a fullerene or derivative thereof, a single-walled fullerene nanotube, and a multi-walled fullerene nanotube, wherein the fullerene is selected from the group consisting of a fullerene carbon compound having from 20 to 540 carbon atoms. The antibodies may be monoclonal or polyclonal antibodies. This invention provides a hybridoma produced by the fusion of a mouse antibody-producing cell and a mouse myeloma which is designated 1-10F-8A and deposited with the ATCC under Accession Number PTA-279, said hybridoma producing a monoclonal antibody which binds to fullerene C60. This invention provides a mouse monoclonal antibody specific for a fullerene-C60 and produced by the mouse monoclonal antibody-producing hybridoma designated 1-10F-8A. This invention also provides methods of determining a serum concentration of a fullerene in a subject and of purifying a fullerene from a sample. This invention provides methods of preparing nonascale devices which comprise manipulating a single-walled or a multi-walled fullerene nanotube(s) with the above-described antibodies specific for single-walled or multi-walled fullerene nanotubes to assemble electronic or chemical components of the nanoscale device.

IT 142136-39-8, [5,6]Fullerene-C76-D2

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(antibodies specific for fullerenes)

RN 142136-39-8 CAPLUS

CN [5,6]Fullerene-C76-D2 (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1990:443472 CAPLUS

DOCUMENT NUMBER: 113:43472

TITLE: The use of admixtures for increasing the evaporation and combustion rate and the combustion stability of liquid propellants and fuels injected into rocket combustion chambers and into high-power combustion installations

INVENTOR(S): Bschorr, Oskar; Flath, Alfred

PATENT ASSIGNEE(S): Germany

SOURCE: Ger. Offen., 20 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3835489	A1	19900419	DE 1988-3835489	19881018
PRIORITY APPLN. INFO.:			DE 1988-3835489	19881018

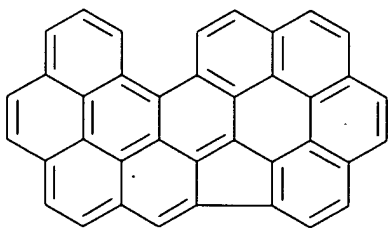
AB The admixts., consisting of (a) ≥ 1 yellow to deep-black, highly conjugated π system-containing organic compds. having main absorption bands at wavelengths of .apprx.350-1200 nm, (b) ≥ 1 organic surfactants for decreasing the surface tension of (c) organic solvents or suspension media (claimed) for a and b, are used in liquid propellants and fuels, especially H, NH₃, N₂H₄, alcs., amines and/or hydrocarbons, preferably kerosine, and, optionally, in liquid oxidants, in a/b ratio (0.5-10):1, and in amts. such that a + b constitutes .apprx.2.5-18 weight% of the total (fuel or propellant, oxidant, and admixt.). These admixts. suppress or eliminate damaging and destabilizing, low- and high-frequency, longitudinal and transverse oscillations by increasing the evaporation and combustion rate of the propellants and fuels.

IT 76748-63-5, Circumanthracene

RL: TEM (Technical or engineered material use); USES (Uses)
(admixts. containing, for oscillation suppression in combustion of liquid propellants and fuels)

RN 76748-63-5 CAPLUS

CN Benzo[ghi]naphth[2',1',8',7':5,6,7]aceanthryleno[10,1,2-abcd]perylene
(9CI) (CA INDEX NAME)



L8 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1990:101699 . CAPLUS

DOCUMENT NUMBER: 112:101699

TITLE: Use of additive mixtures for increasing vaporization and combustion rates of rocket and high-performance fuels

INVENTOR(S): Bschorr, Oskar; Flath, Alfred

PATENT ASSIGNEE(S): Fed. Rep. Ger.

SOURCE: Ger. Offen., 20 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

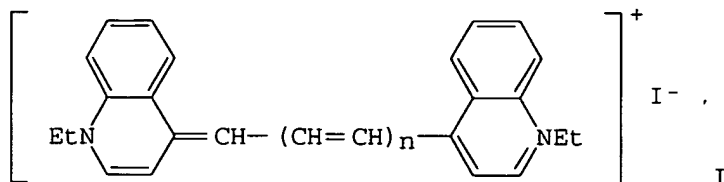
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3815605	A1	19881020	DE 1988-3815605	19880506
DE 3815605	C2	19920430		
PRIORITY APPLN. INFO.:			DE 1988-3815605	19880506
OTHER SOURCE(S):	MARPAT	112:101699		

GI



AB An additive package for improving the vaporization rates and combustion stability of fuels, especially of liquid fuels (e.g., liquid H, NH₃, N₂H₄, alcohols, amines, and kerosene) in rocket and high-performance engines consists of a 2-10:1 weight ratio of (1) ≥1 yellow-to-black organic compds. with a highly conjugated π system with main spectral absorption bands 350-1200 nm, and (2) ≥1 organic surfactant, in addition to component (3), and organic solubilizer or suspension agent; components 1 and 2 are present in a total concn. of 0.01-2.5 wt.% in the fuel. Component 1 is chosen from sym. 1,ω-diphenylpolyenes of formula Ph(CH:CH)_nPh (n = 3-8), sym. diphenylpolyenealazines of formula Ph(CH:CH)_nCH:NN:CH(CH:CH)_nPh (n = 2-4), sym. difurylpolyenealazines of formula RO(CH:CH)_nCH:NN:CH(CH:CH)_nR (R = furyl, n = 1-4), cyanine **dyes** (I, n = 1-4), and other **dyes** and highly conjugated systems. Component z is chosen from R₁OC₆H₄O(CH₂CH₂O)_nH (R' = C₁-10-alkyl, n = 1-16) and a no. of lower mol. wt.-compds. No examples are given. The additive package functions by absorbing radiative heat from the combustion (by component 1) and directing the energy back on the mol. scale (e.g., by fluorescence) into the combustion.

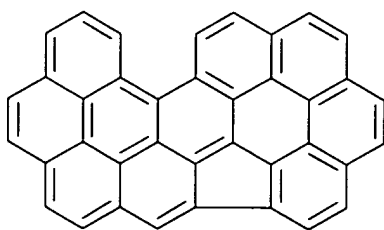
IT 76748-63-5, Circumanthracene

RL: TEM (Technical or engineered material use); USES (Uses)

(rocket fuels containing, for increased vaporization rate and combustion stability)

RN 76748-63-5 CAPLUS

CN Benzo[ghi]naphth[2',1',8',7':5,6,7]aceanthryleno[10,1,2-abcd]perylene (9CI) (CA INDEX NAME)

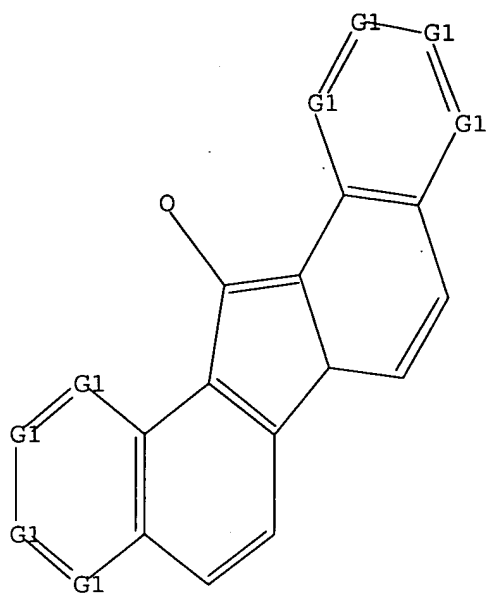


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L1 HAS NO ANSWERS

L1 STR



G1 C,O,S,CHO,N

Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED 483544 ITERATIONS

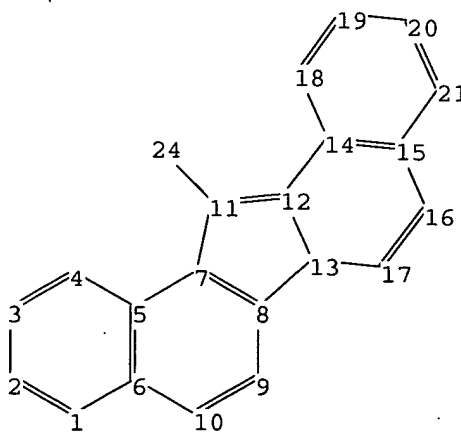
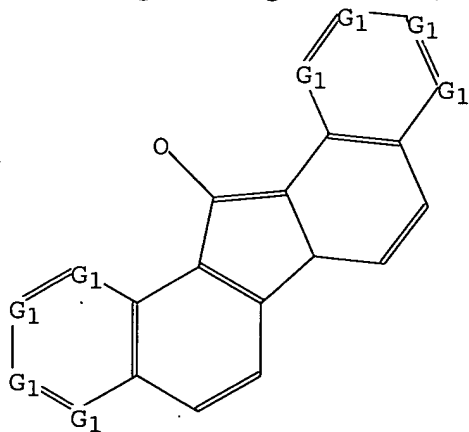
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ring nodes :
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chain bonds :
11-24
ring bonds :
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12-14 13-17 14-15 14-18 15-16 15-21 16-17 18-19 19-20 20-21
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 7-11 8-13 11-12 11-24 12-13 12-14 13-17 14-15 14-18
15-16 15-21 16-17 18-19 19-20 20-21
normalized bonds :
5-6 5-7 6-10 7-8 8-9 9-10

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G1:C,O,S,CHO,N

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
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24:CLASS

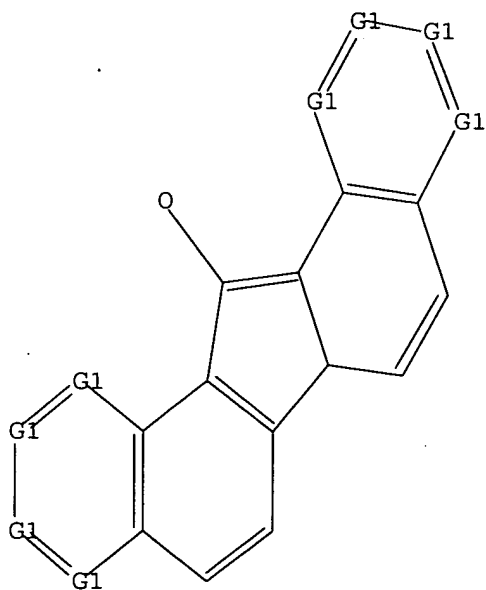
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L3 HAS NO ANSWERS
L3 STR

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G1 C,O,S,CHO,N

Structure attributes must be viewed using STN Express query preparation.

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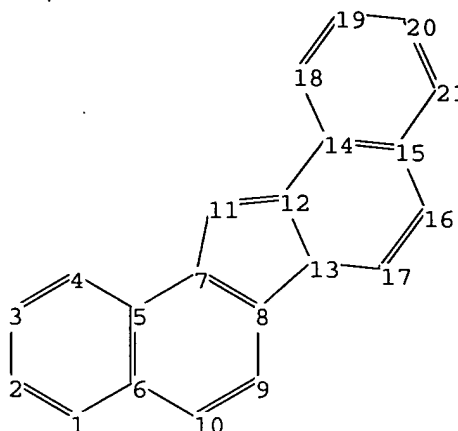
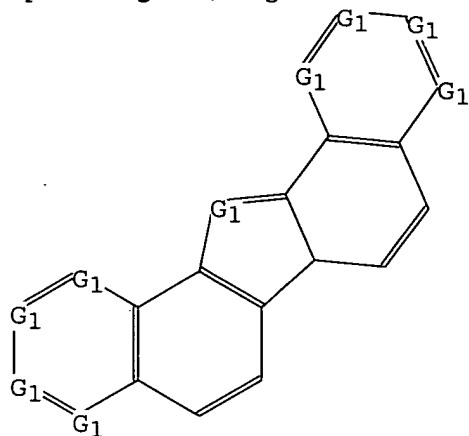
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12-14 13-17 14-15 14-18 15-16 15-21 16-17 18-19 19-20 20-21

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 7-11 8-13 11-12 12-13 12-14 13-17 14-15 14-18 15-16
15-21 16-17 18-19 19-20 20-21

normalized bonds :

5-6 5-7 6-10 7-8 8-9 9-10

G1:C,O,S,CHO,N

Match level :

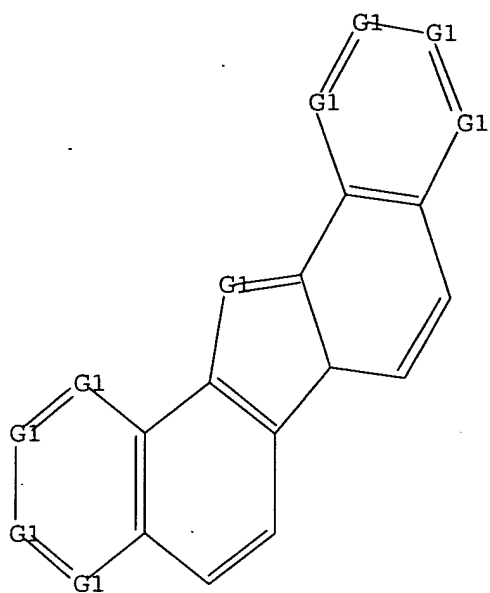
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20:Atom 21:Atom

L5 STRUCTURE UPLOADED

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L5 HAS NO ANSWERS

L5 STR



G1 C,O,S,CHO,N

Structure attributes must be viewed using STN Express query preparation.

=> s l5 full

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40.7% PROCESSED 1000000 ITERATIONS (1 INCOMPLETE) 2781 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.33

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **INCOMPLETE**

PROJECTED ITERATIONS: 2459040 TO 2459040

PROJECTED ANSWERS: 6590 TO 7086

L6 2781 SEA SSS FUL L5

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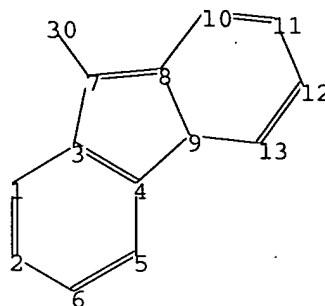
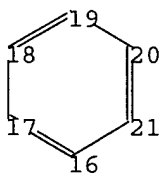
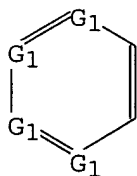
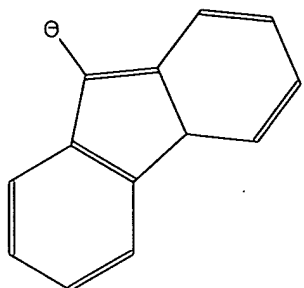
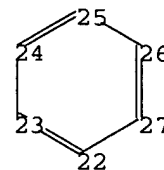
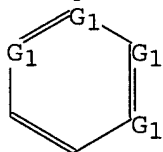
=> s 17 and infra?
    246861 INFRA?
    591455 IR
    5203 IRS
    595249 IR
        (IR OR IRS)
    677438 INFRA?
        (INFRA? OR IR)
L9      24 L7 AND INFRA?

=> s 17 and infrared
    235669 INFRARED
    5 INFRAREDS
    235672 INFRARED
        (INFRARED OR INFRAREDS)
    591455 IR
    5203 IRS
    595249 IR
        (IR OR IRS)
    667603 INFRARED
        (INFRARED OR IR)
L10     24 L7 AND INFRARED

```

=>

Uploading C:\Program Files\Stnexp\Queries\09928108f.str



chain nodes :

30

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 16 17 18 19 20 21 22 23 24 25
26 27

chain bonds :

7-30

ring bonds :

1-3 1-2 2-6 3-4 3-7 4-5 4-9 5-6 7-8 8-9 8-10 9-13 10-11 11-12 12-13
16-17 16-21 17-18 18-19 19-20 20-21 22-23 22-27 23-24 24-25 25-26 26-27

exact/norm bonds :

3-7 4-9 7-8 7-30 8-9 8-10 9-13 10-11 11-12 12-13 16-17 16-21 17-18
18-19

19-20 20-21 22-23 22-27 23-24 24-25 25-26 26-27

normalized bonds :

1-3 1-2 2-6 3-4 4-5 5-6

G1:C,O,S,CHO,N

G2:C,O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:CLASS 23:CLASS
24:Atom 25:Atom 26:Atom 27:Atom 30:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 22:32:17 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 913308 TO ITERATE

100.0% PROCESSED 913308 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.04

L2 3 SEA SSS FUL L1

=> d l2 1-3

L2 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2006 ACS on STN

RN 218617-19-7 REGISTRY

ED Entered STN: 29 Jan 1999

CN 5H-Tribenzo[a,f,k]trinden-5-one, 10,15-dihydroxy-, ion(2-), radical
ion(1-) (9CI) (CA INDEX NAME)

OTHER NAMES:

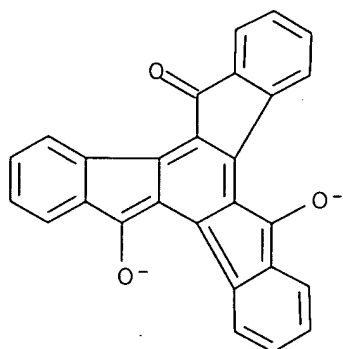
CN Truxenone radical trianion

MF C27 H12 O3

CI RIS

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2006 ACS on STN

RN 218617-03-9 REGISTRY

ED Entered STN: 29 Jan 1999

CN 5H-Tribenzo[a,f,k]trinden-5-one, 10,15-dihydroxy-, ion(2-) (9CI) (CA
INDEX NAME)

OTHER NAMES:

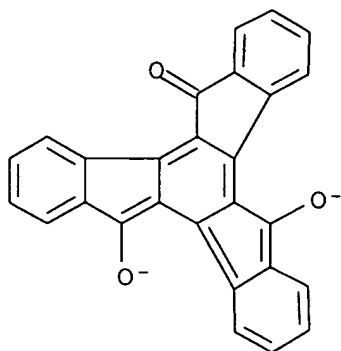
CN Truxenone dianion

FS 3D CONCORD

MF C27 H12 O3

SR CA

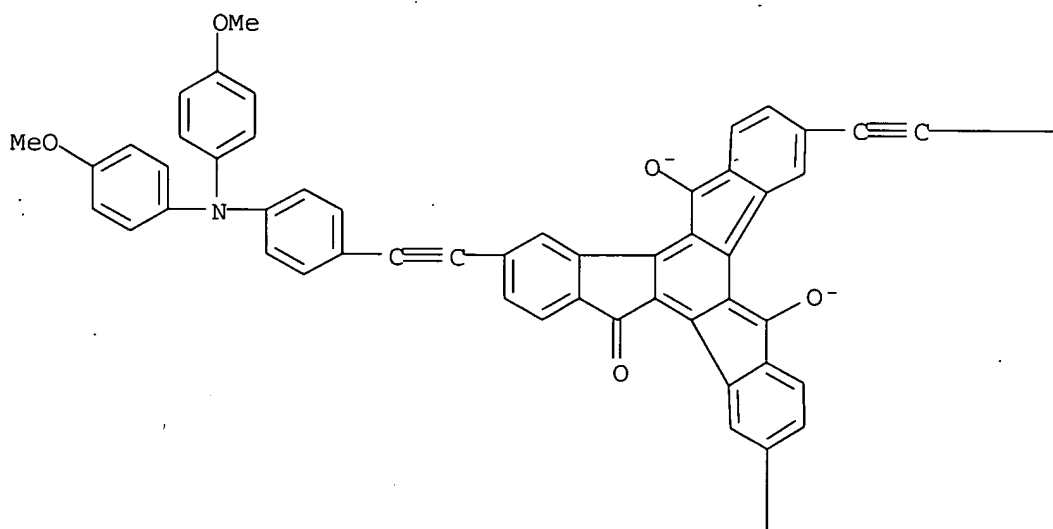
LC STN Files: CA, CAPLUS



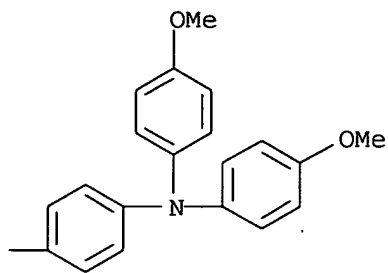
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 218608-76-5 REGISTRY
 ED Entered STN: 29 Jan 1999
 CN 5H-Tribenzo[a,f,k]trinden-5-one, 3,8,13-tris[[4-[bis(4-methoxyphenyl)amino]phenyl]ethynyl]-10,15-dihydroxy-, ion(2-) (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C93 H63 N3 O9
 SR CA
 LC STN Files: CA, CAPLUS

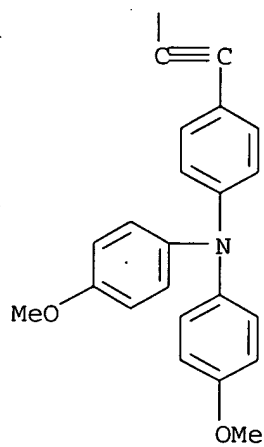
PAGE 1-A



PAGE 1-B



PAGE 2-A



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Day : Monday
Date: 1/23/2006


PALM INTRANET

Time: 01:06:48

Inventor Name Search Result

Your Search was:

Last Name = HALL

First Name = LACHLAN

Application#	Patent#	Status	Date Filed	Title	Inventor Name
09927684	Not Issued	95	08/10/2001	INFRARED CHROMOPHORES	HALL, LACHLAN EVERETT
09927685	Not Issued	95	08/10/2001	DIBENZOFLOURENONE BASED CHROMOPHORES	HALL, LACHLAN EVERETT
09927809	Not Issued	94	08/10/2001	INTERFACE SURFACE PRINTER USING INVISIBLE INK	HALL, LACHLAN EVERETT
09928055	Not Issued	71	08/10/2001	Bridged diarylpolymer methine chromophores	HALL, LACHLAN EVERETT
09928108	Not Issued	71	08/10/2001	Dibenzoanthraquinone based chromophores	HALL, LACHLAN EVERETT
10815624	Not Issued	30	04/02/2004	Stabilized dithiolene inkjet inks	HALL, LACHLAN EVERETT
10815625	Not Issued	30	04/02/2004	Water-based dithiolene infrared inkjet inks	HALL, LACHLAN EVERETT
10815628	Not Issued	20	04/02/2004	Method of minimizing absorption of visible light in ink compositions comprising infrared metal-dithiolene dyes	HALL, LACHLAN EVERETT
10913372	Not Issued	20	08/09/2004	Metal-cyanine dye having axial ligands which reduce visible absorption	HALL, LACHLAN EVERETT
10913373	Not Issued	30	08/09/2004	Cyanine dye having reduced visible absorption	HALL, LACHLAN EVERETT
10913374	Not Issued	20	08/09/2004	Metal-cyanine dye having improved water solubility	HALL, LACHLAN EVERETT
10913375	Not Issued	30	08/09/2004	Method of minimizing absorption of visible light in infrared dyes	HALL, LACHLAN EVERETT
10913376	Not Issued	20	08/09/2004	Synthesis of metal cyanines	HALL, LACHLAN EVERETT
10913377	Not Issued	41	08/09/2004	Hydrophilizable and hydrophilic cyanine dyes	HALL, LACHLAN EVERETT

10913378	Not Issued	41	08/09/2004	Cyanine dye having multifunctional periprerel groups	HALL, LACHLAN EVERETT
10913379	Not Issued	20	08/09/2004	Method of minimizing absorption of visible light in ink compositions comprising IR-absorbing metal-cyanine dyes	HALL, LACHLAN EVERETT
10913380	Not Issued	20	08/09/2004	Method of minimizing absorption of visible light in ink compositions comprising infrared-absorbing macrocyclic cyanine dyes	HALL, LACHLAN EVERETT
10913381	Not Issued	71	08/09/2004	Synthetically expedient water-dispersible IR dyes	HALL, LACHLAN EVERETT
10986402	Not Issued	41	11/12/2004	Synthetically expedient water-dispersible IR dyes having improved lightfastness	HALL, LACHLAN EVERETT

Inventor Search Completed: No Records to Display.

Search Another: Inventor

Last Name	First Name	
<input type="text" value="hall"/>	<input type="text" value="lachlan"/>	<input type="button" value="Search"/>

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